

# EXHIBIT 3



# LISA P. GWIN, DO, BSEE, BSN

## CURRICULUM VITAE

### EDUCATION

DO	Arizona College of Osteopathic Medicine Glendale, Arizona	2003
BS	Nursing, Wayne State University Detroit, Michigan	1995
BS	Electrical Engineering, Illinois Institute of Technology Chicago, Illinois	1987

### POST GRADUATE MEDICAL TRAINING

Resident, Emergency Medicine University of Kentucky Lexington, Kentucky	2006
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### PROFESSIONAL EXPERIENCE

Consultant Biodynamic Research Corporation San Antonio, Texas	2012-Present
Independent Contractor Telemedicine Physician Doctor on Demand	March-April 2020
Assistant Clinical Professor University of the Incarnate Word School of Osteopathic Medicine San Antonio, Texas	May 2016-Present
Emergency Physician Powell Valley Hospital Powell, Wyoming	2006-2012

***Locum tenens* Emergency Physician Positions**

De Tar Hospital Navarro Victoria, Texas	2015-2016
Peterson Regional Medical Center Kerrville, Texas	2012-2016
North Big Horn Hospital Lovell, Wyoming	2011-2012
Campbell County Memorial Hospital Gillette, Wyoming	2011-2012
Carbon County Memorial Hospital Rawlins, Wyoming	2011-2012
Phoenix Indian Medical Center Phoenix, Arizona	2011-2012
Crow/Northern Cheyenne Indian Health Service Crow Agency, Montana	2006-2008
Marshall Emergency Services Associates Lexington, Kentucky	2005-2006
Rockcastle County Hospital Mt. Vernon, Kentucky	2004-2006

**Emergency Nurse Positions**

Arrowhead Community Hospital Glendale, Arizona	1999-2003
Whiteriver Indian Health Services Hospital Whiteriver, Arizona	1998-1999
Navapache Regional Medical Center Show Low, Arizona	1996-1998
Emergency Technician Detroit Receiving Hospital Detroit, Michigan	1994-1995

Volunteer Firefighter/EMT Rockwood, Michigan Brownstown, Michigan	1989-1992
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EMT Emergency Medical Transport Service Monroe, Michigan	1989-1991
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Automotive Test and Development Engineer Ford Motor Company Dearborn, Michigan	1987-1993
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### **PROFESSIONAL REGISTRATION**

Emergency Licensure for COVID-19 Delaware, Florida, Iowa, Idaho, New York	2020
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Certified Fire/Arson Investigator	2016-2018
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Accreditation Commission for Traffic Accident Reconstruction (ACTAR #2623)	2014-Present
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Medical Licensure	Colorado	2021-Present
	Texas	2012-Present
	Montana	2011-Present
	Wyoming	2006-Present

American Board of Emergency Medicine – Board Certified	2008-Present
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Advanced Burn Life Support	2007-Present
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Advanced Trauma Life Support	2003-Present
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Advanced Cardiac Life Support	1996-Present
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Pediatric Advanced Life Support	1996-Present
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Basic Life Support	1988-Present
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**PROFESSIONAL AFFILIATIONS**

National Association of EMS Physicians	2023-Present
American Society of Mechanical Engineers	2022-Present
American Academy of Emergency Medicine Legal Committee	2020-Present
Biomedical Engineering Society	2016-Present
Society of Automotive Engineers	2013-Present
Association for the Advancement of Automotive Medicine AIS Content Subcommittee	2012-Present 2018-Present
American College of Emergency Physicians, Fellow	2009-Present
American Academy of Emergency Medicine, Fellow	2009-Present

**VOLUNTEER POSITIONS**

Fort Collins Professional Women for Good Founding Member Fort Collins, Colorado	2023-Present
Founding Member Board Advisory Group Facilitator Volunteer Resources Team End of Life Options Colorado	2022-Present
Physician/Sawyer Team Rubicon International	2020-Present
Physician Crossroads Healthcare Clinic Cheyenne, Wyoming	2017-Present
Physician Acacia Medical Mission Spring Branch, Texas	2014-2016

Preceptor	2014-2016
Texas Tech University	
Oral Board Review Course Instructor	2009-Present
American Academy of Emergency Medicine	
Various Locations	
 Board of Directors	 2009-2012
Yellowstone Behavioral Health Center	
Cody, Wyoming	
 Physician	 2008-2012
Heart Mountain Volunteer Medical Clinic	
Powell, Wyoming	
 Medical Director, Trauma Committee	 2007-2010
Powell Valley Hospital	
Powell, Wyoming	

## PUBLICATIONS

Gall, J, Martinez, J, Watson, R, Gwin, L. 2024. Frontal Crash Testing of a Class V Lift Truck. Submitted to the American Society of Mechanical Engineering for publication.

Martinez, J, Germane A, Watson R, Gwin L. Exit Time Differences Between Gated and Open Operator Compartments in Stand-Up End-Controlled Lift Trucks with an Examination of Injury Potential in Tip-Over and Off-Dock Incidents. Proceedings of the ASME 2022 International Mechanical Engineering Congress and Exposition. 2022.

Bonugli, E., Greenston, M., Scott, W., Folley, A. et al., "Human Subject Kinematic Response to Low-Speed Sideswipes Involving a Truck Trailer," SAE Technical Paper 2021-01-5043, 2021, <https://doi.org/10.4271/2021-01-5043>.

Cormier, J., Gwin, L., Reinhart, L., Wood, R., & Bain, C. (2018). A comprehensive review of low-speed rear impact volunteer studies and a comparison to real-world outcomes. *Spine*, 43(18), 1250.

Guzman H; Barraza A; Bonugli E; Reinhart L and Gwin L. Comparison of lumbar spine acceleration profiles of everyday activities and examination of their frequency content. *41<sup>st</sup> Annual Meeting of the American Society of Biomechanics*. 2017.

Germane AG; Freund MA; Gwin LP; McNish TM; Scott WR; Day CM, and Bain CE. Technology in the courtroom. Curran J and Meaders K, eds. IN: *Expert Witnesses: Motor Vehicle and Accident Reconstruction Cases, 2016-2017 Edition*. Thomson Reuters; 2016; pp. 1073-1094.

Gwin LP; Guzman H; Bonugli E; Scott W, and Freund M. Measurement of Tolerable and Non-Injurious Levels of Back-to-Front Whole Body Accelerations. *SAE Technical Paper*. SAE # 2014-01-0492. 2014.

Bonugli E; Wirth J; Funk J; Cormier J; Guzman H; Gwin L, and Freund M. Characterization of Force Deflection Properties for Vehicular Bumper-to-Bumper Interactions. *SAE Int J Trans Safety*. SAE #2014-01-0482. 2014; 2(1):doi:10.4271/2014-01-0482.

Martin J and Gwin L. The multiply injured patient. Stone CK and Humphries RL. IN: *Current Diagnosis & Treatment: Emergency Medicine, 6<sup>th</sup> ed*. New York: McGraw Hill; 2007; pp. 167-180.

Wood IO; Krommenhoek A; Velasco L; Russ R; Nieto JM; Wallace ES; Gwin L; Bay RC; Butler K; Ingall TJ; Tiffany BR, and Lipinski CA. Emergency Department Management of Acute Stroke Patients: Presence and Absence of Stroke Teams [abstract]. *Acad Emerg Med*, 2002; 9(5):412.

A Comparative Evaluation of Onboard Refueling Vapor Recovery Fuel Fill Pipe Seal Systems. 1990 Society of Automotive Engineers International Congress & Exposition.